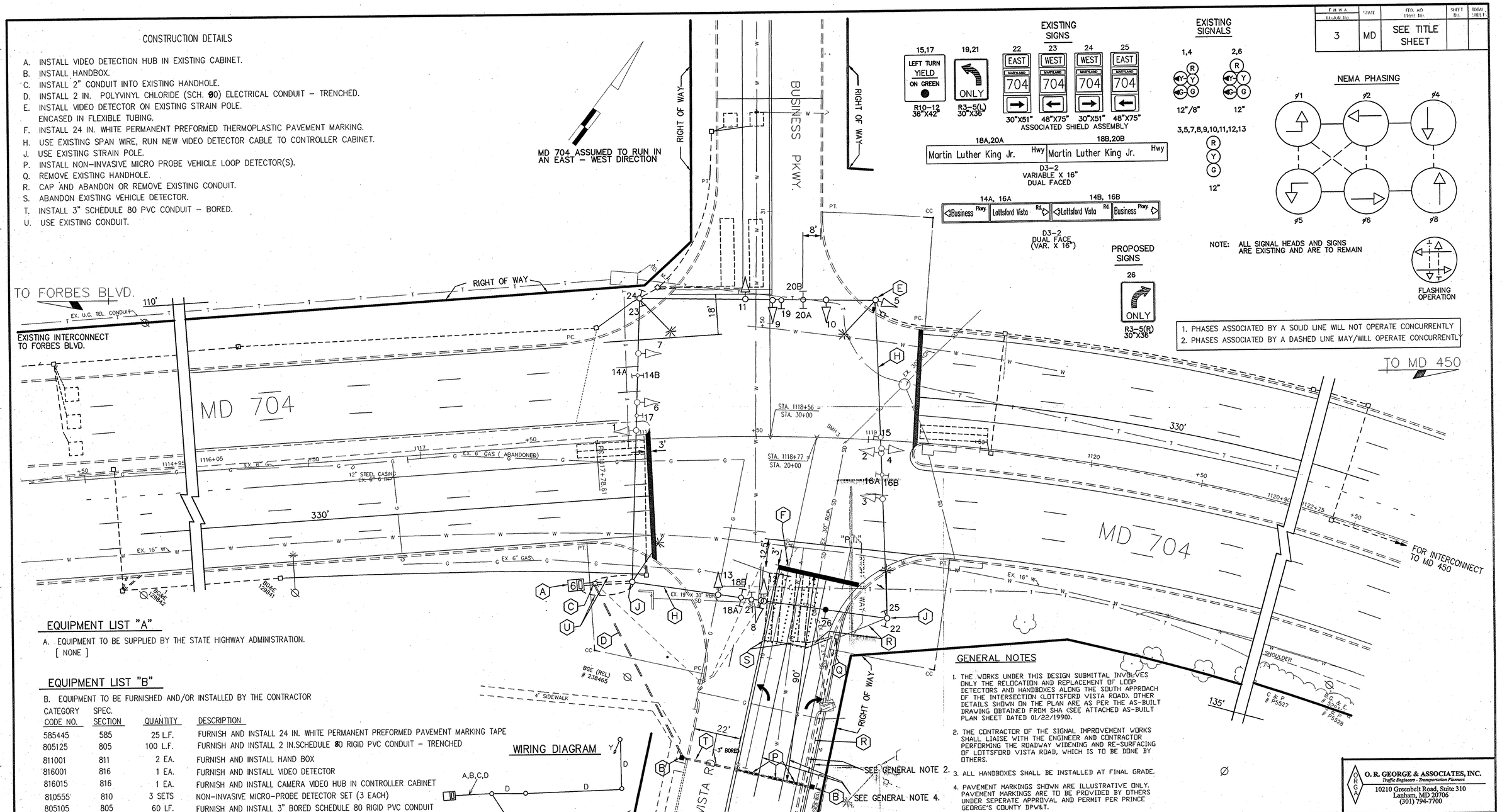
F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD	SEE TITLE SHEET		

CONSTRUCTION DETAILS

A. INSTALL VIDEO DETECTION HUB IN EXISTING CABINET.
B. INSTALL HANDBOX.
C. INSTALL 2" CONDUIT INTO EXISTING HANDHOLE.
D. INSTALL 2 IN. POLYVINYL CHLORIDE (SCH. 80) ELECTRICAL CONDUIT – TRENCHED.
E. INSTALL VIDEO DETECTOR ON EXISTING STRAIN POLE. ENCASED IN FLEXIBLE TUBING.
F. INSTALL 24 IN. WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING.
H. USE EXISTING SPAN WIRE, RUN NEW VIDEO DETECTOR CABLE TO CONTROLLER CABINET.
J. USE EXISTING STRAIN POLE.
P. INSTALL NON-INVASIVE MICRO PROBE VEHICLE LOOP DETECTOR(S).
Q. REMOVE EXISTING HANDHOLE.
R. CAP AND ABANDON OR REMOVE EXISTING CONDUIT.
S. ABANDON EXISTING VEHICLE DETECTOR.
T. INSTALL 3" SCHEDULE 80 PVC CONDUIT – BORED.
U. USE EXISTING CONDUIT.



EXISTING SIGNS

15,17 — LEFT TURN YIELD ON GREEN — R10-12 36"X42"

19,21 — ONLY — R3-5(L) 30"X36"

22, 23, 24, 25 — EAST / WEST / WEST / EAST — MARYLAND 704 — 30"X51" 48"X75" 30"X51" 48"X75" — ASSOCIATED SHIELD ASSEMBLY

18A,20A — Martin Luther King Jr. Hwy

18B,20B — Martin Luther King Jr. Hwy

D3-2 VARIABLE X 16" DUAL FACED

14A, 16A — Business Pkwy. / Lottsford Vista Rd.

14B, 16B — Lottsford Vista Rd. / Business Pkwy.

D3-2 DUAL FACE (VAR. X 16")

PROPOSED SIGNS

26 — ONLY — R3-5(R) 30"X36"

EXISTING SIGNALS

1,4 — 12"/8"

2,6 — 12"

3,5,7,8,9,10,11,12,13 — 12"

NEMA PHASING

ø1 ø2 ø4 ø5 ø6 ø8

NOTE: ALL SIGNAL HEADS AND SIGNS ARE EXISTING AND ARE TO REMAIN

FLASHING OPERATION

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY
2. PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE STATE HIGHWAY ADMINISTRATION.
[NONE]

EQUIPMENT LIST "B"

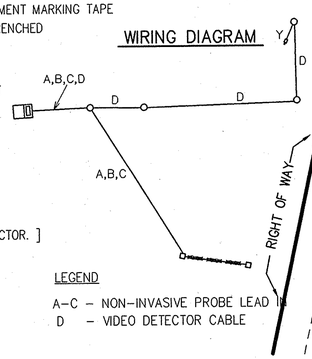
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

CATEGORY CODE NO.	SPEC. SECTION	QUANTITY	DESCRIPTION
585445	585	25 L.F.	FURNISH AND INSTALL 24 IN. WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE
805125	805	100 L.F.	FURNISH AND INSTALL 2 IN.SCHEDULE 80 RIGID PVC CONDUIT – TRENCHED
811001	811	2 EA.	FURNISH AND INSTALL HAND BOX
816001	816	1 EA.	FURNISH AND INSTALL VIDEO DETECTOR
816015	816	1 EA.	FURNISH AND INSTALL CAMERA VIDEO HUB IN CONTROLLER CABINET
810555	810	3 SETS	NON-INVASIVE MICRO-PROBE DETECTOR SET (3 EACH)
805105	805	60 LF.	FURNISH AND INSTALL 3" BORED SCHEDULE 80 RIGID PVC CONDUIT

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE RETURNED TO THE STATE HIGHWAY ADMINISTRATION.
[ALL EQUIPMENT REMOVED IN ACCORDANCE WITH THESE PLANS BECOMES THE PROPERTY OF THE CONTRACTOR.]

WIRING DIAGRAM



LEGEND

A–C – NON-INVASIVE PROBE LEAD
D – VIDEO DETECTOR CABLE

GENERAL NOTES

1. THE WORKS UNDER THIS DESIGN SUBMITTAL INVOLVES ONLY THE RELOCATION AND REPLACEMENT OF LOOP DETECTORS AND HANDBOXES ALONG THE SOUTH APPROACH OF THE INTERSECTION (LOTTSFORD VISTA ROAD). OTHER DETAILS SHOWN ON THE PLAN ARE AS PER THE AS-BUILT DRAWING OBTAINED FROM SHA (SEE ATTACHED AS-BUILT PLAN SHEET DATED 01/22/1990).
2. THE CONTRACTOR OF THE SIGNAL IMPROVEMENT WORKS SHALL LIAISE WITH THE ENGINEER AND CONTRACTOR PERFORMING THE ROADWAY WIDENING AND RE-SURFACING OF LOTTSFORD VISTA ROAD, WHICH IS TO BE DONE BY OTHERS.
3. ALL HANDBOXES SHALL BE INSTALLED AT FINAL GRADE.
4. PAVEMENT MARKINGS SHOWN ARE ILLUSTRATIVE ONLY. PAVEMENT MARKINGS ARE TO BE PROVIDED BY OTHERS UNDER SEPERATE APPROVAL AND PERMIT PER PRINCE GEORGE'S COUNTY DPW&T.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLES	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
STORM DRAIN	SD
CABLE TV	TV

REVISIONS
(B) NOVEMBER 2005 – ORG VIDEO DETECTION ADDED & SOUTH LEG WIDENING SHA NO. BW 996M82 — WB CJS
A AUGUST 1996 – WTB REBUILD TO NEW GEOMETRICS SHA NO. PG9005171 — JDM

APPROVALS

ASST. DIVISION CHIEF, TEDD

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL ON FILE

O. R. GEORGE & ASSOCIATES, INC.
Traffic Engineers - Transportation Planners
10210 Greenbelt Road, Suite 310
Lanham, MD 20706
(301) 794-7700

MARYLAND DOT – STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

MD 704 (MARTIN LUTHER KING JR. HWY.) AND LOTTSFORD VISTA RD./BUSINESS PKWY.

LOG MILE NO. 16070406.25 — 01/22/90

DRAWN BY: W.J. NIES (FOR STS)	F.A.P. NO.	N/A	PLAN SHEET NO.:	SHEET NO.
CHECK BY: R.R. ZACHERL (FOR STS)	S.H.A. NO.	BW-311-802-312		
SCALE: 1" = 20'	COUNTY	PRINCE GEORGES	TS-2637B	____ OF ____